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NOTICE OF ALLOWANCE AND FEE(S) DUE

114

7590

08/21/2009

PEARNE & GORDON LLP 1801 EAST 9TH STREET SUITE 1200 CLEVELAND, OH 44114-3108

EXAMINER				
INGHAM, JOHN C				
ART UNIT	PAPER NUMBER			
2814				

DATE MAILED: 08/21/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/521,879	01/21/2005	Fabrice Pardo	REG-37392	6163

TITLE OF INVENTION: MSM TYPE PHOTODETECTION DEVICE WITH RESONANT CAVITY COMPRISING A MIRROR WITH A NETWORK OF

METALLIC ELECTRODES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/23/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS; This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ap in m

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PEARNE & GO 1801 EAST 9TH SUITE 1200	I STREET		I he Stat addi tran:	reby certify that the	is Fee(s) Transmittal is being	deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
CLEVELAND,	OH 44114-3108						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/521,879	01/21/2005	•	Fabrice Pardo			REG-37392	6163
TITLE OF INVENTION METALLIC ELECTROI		DETECTION DEVICE W	/ITH RESONANT CAVIT	Y COMPRISING .	A MIR	ROR WITH A NETW	ORK OF
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	11/23/2009
EXAM		ART UNIT	CLASS-SUBCLASS				
INGHAM 1. Change of corresponde		2814	257-448000				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.		" Indication form led. U se of a Customer	(1) the names of up to or agents OR, alternativ (2) the name of a singl registered attorney or a 2 registered patent atto listed, no name will be	rely, e firm (having as a gent) and the name meys or agents. If a printed.	memb es of u	er a 2	
PLEASE NOTE: Unl recordation as set forti (A) NAME OF ASSIG	ess an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assign assignment. and STATE OR C	OUNT	'RY)	ocument has been filed for
Please check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Co	rporati	on or other private gro	up entity Government
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5. Change in Entity Stat	tus (from status indicate s SMALL ENTITY statu		b. Applicant is no long	ran alaimina SMAI	I DN	FITV status See 27 CI	ED 1.27(a)(2)
NOTE: The Issue Fee and	d Publication Fee (if req	uired) will not be accepte	d from anyone other than t				e assignee or other party in
interest as shown by the i	records of the United Sta	tes Patent and Trademark	c Office.				
Authorized Signature				Date			
Typed or printed name	e			Registration N	o		
an application. Confident submitting the completed this form and/or suggesti	tiality is governed by 35 I application form to the ons for reducing this bu Tirginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	1.14. This collection is est depending upon the indivite Chief Information Office	imated to take 12 r idual case. Any co cr. U.S. Patent and	ninutes mment Traden	to complete, including s on the amount of tire park Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and ne you require to complete urtment of Commerce, P.O. For Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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10/521,879	01/21/2005	Fabrice Pardo	REG-37392	6163
116 7:	590 08/21/2009		EXAM	INER
PEARNE & GO	RDON LLP		INGHAM	, JOHN C
1801 EAST 9TH S	TREET		ART UNIT	PAPER NUMBER
SUITE 1200 CLEVELAND, OI	H 44114-3108		2814 DATE MAILED: 08/21/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/521,879	PARDO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	JOHN C. INGHAM	2814	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet wi (OR REMAINS) CLOSED in or other appropriate committed IGHTS. This application is	th the correspondence address n this application. If not included unication will be mailed in due cours	se. THIS
1. This communication is responsive to <u>amendments filed 23</u>	<u>June 2009</u> .		
2. ☑ The allowed claim(s) is/are <u>1-10 and 12-21</u> .			
 3. Acknowledgment is made of a claim for foreign priority unanalysis. a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	e been received. e been received in Applicatio	on No	rom the
International Bureau (PCT Rule 17.2(a)).		a in the haderial stage approacher in	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	MENT of this application.		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Review	w (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			.) of
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			:he
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 🗆 Notice of In	formal Patent Application	
 Notice of References Cited (F10-092) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		ummary (PTO-413),	
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No.	/Mail Date Amendment/Comment	
Paper No./Mail Date <u>1/21/05</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. ⊠ Examiner's	Statement of Reasons for Allowand	ce
of Biological Material	9.		· -
/J. C. I./	/Wael M Fahm		
Examiner, Art Unit 2814		tent Examiner, Art Unit 2814	

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see pages 6 and 7, filed 23 June 2009, with respect to the 35 U.S.C. 112 rejections of claims 16-21 have been fully considered and are persuasive. The rejections of the claims has been withdrawn.

Allowable Subject Matter

- 2. Claims 1-10 and 12-21 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: the prior art does not disclose or make obvious the device of claims 1 or 16, including parallel conductive strips at a uniform spacing at a period less than the wavelength of incident light, wherein the light to be detected is incident onto the device through the electrodes network, the geometric dimensions of the conducting strips being determined to form a second mirror for the Fabry-Perot type resonant cavity at the interface between the electrode network and the active layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN C. INGHAM whose telephone number is (571)272-8793. The examiner can normally be reached on M-F, 8am-5pm.

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Art Unit: 2814

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Wael M Fahmy/ Supervisory Patent Examiner, Art Unit 2814

John C Ingham Examiner Art Unit 2814

/J. C. I./ Examiner, Art Unit 2814